

IN THE CLAIMS:

1. (Previously Presented) A method in a data processing system for minimizing inconsistency between a set of data sources, the method comprising:

sending from an originating data source a first signal to the set of data sources indicating that new content is present for the set of data sources; transmitting the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and sending the second signal from the originating data source to the set of data sources if the originating data source receives an acknowledgement signal from each data source in the set of data sources, wherein an acknowledgement signal comprises a signal indicating that a data source received the new content.

2. (Previously Presented) A method in a data processing system for minimizing inconsistency between a set of data sources, the method comprising:

sending from an originating data source a first signal to the set of data sources indicating that new content is present for the set of data sources; transmitting the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and sending the second signal to each data source returning the acknowledgment after a period of time has passed without every data source in the set of data sources returning the acknowledgment.

3. (Previously Presented) The method of claim 2 further comprising:

removing a data source from the set of data sources if the data source fails to return the acknowledgment within the period of time.

4. (Previously Presented) The method of claim 1, wherein the first signal is a pull notification indicating that the new content will be pulled by the set of data sources.

5. (Previously Presented) The method of claim 1, wherein the second signal is a push notification indicating the new content will be transmitted to the set of data sources.

6. (Previously Presented) The method of claim 1, wherein the new content is an update to existing content located at the set of nodes data sources.

7. (Previously Presented) The method of claim 1, wherein the set of data sources includes at least one of a Web server and a data cache.

8. (Original) The method of claim 1 further comprising:
billing a set of clients for maintaining content at the set of data sources.

9. (Original) The method of claim 1 further comprising:
receiving the new content from a client based on a contract with the client to maintain content at the set of data sources.

10. (Original) The method of claim 1, wherein the first signal includes the content.

11. (Previously Presented) A method in a data processing system for providing content, the method comprising:

receiving from a server a first signal to obtain new content from the server;
receiving the new content after receiving the first signal;
storing the new content in a location in which the new content is unavailable to clients until a second signal is received;
sending an acknowledgment signal from the location and to the server after all of the new content is received;
sending the second signal from the server and to the location after the location sends the acknowledgement signal to the server, wherein the

acknowledgement signal comprises a signal indicating that a location has received the new content; and
making the new content available to clients in response to receiving the second signal.

12. (Original) The method of claim 11, wherein the content is received using a pull mechanism.

13. (Original) The method of claim 11, wherein the content is received using a push mechanism.

14. (Original) The method of claim 11, wherein the data processing system is one of a Web server and a data cache.

15. (Previously Presented) The method of claim 11 further comprising:
providing current content instead of new content if the second signal is not present.

16. (Original) A method in a data processing system for providing content, the method comprising:
receiving new content from a customer;
transmitting the new content to a set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a selected signal is received by the set of data sources; and
sending the selected signal to the set of data sources if an acknowledgment is received from all of the set of data sources.

17. (Original) The method of claim 16, wherein the new content is a Web page.

18. (Original) The method of claim 16 further comprising:
billing the client for maintaining the content at the set of data sources.

19. (Previously Presented) The method of claim 16, wherin the set of data sources includes at least one of a Web server and a data cache.

20. (Previously Presented) A method in a data processing system for minimizing a window of inconsistency in data between a plurality of nodes, the method comprising:

 sending a new content signal indicating that new content is present for the plurality of nodes;

 monitoring for acknowledgments from the plurality of nodes; and responsive to receiving acknowledgments from all nodes within the plurality of nodes, sending a publish signal to the plurality of nodes, wherein the signal causes the plurality of nodes to make the new content available when the publish signal is received.

21. (Original) The method of claim 20 further comprising:

 transmitting the new content to the plurality of nodes.

22. (Original) The method of claim 21, wherein the new content is pushed to the plurality of nodes.

23. (Original) The method of claim 20, wherein the new content is pulled by the plurality of nodes.

24. (Previously Presented) A data processing system comprising:

 a bus system;

 a communications unit connected to the bus system;

 a memory connected to the bus system, wherein the memory includes a set of instructions; and

 a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to send from an originating data source a first signal to the set of data sources indicating that new content is present

for a set of data sources; transmit the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and send the second signal to the set of data sources if the originating data source receives an acknowledgement signal from each data source in the set of data sources, wherein an acknowledgement signal comprises a signal indicating that a data source received the new content.

25. (Previously Presented) A data processing system comprising:

- a bus system;
- a communications unit connected to the bus system;
- a memory connected to the bus system, wherein the memory includes a set of instructions; and
- a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to receive a first signal to obtain new content from a server; receive the new content after receiving the first signal; store the new content in a location in which the new content is unavailable to clients until a second signal is received; send an acknowledgement signal from the location and to the server after all of the new content is received; send the second signal from the server and to the location after the location sends the acknowledgement signal to the server, wherein the acknowledgement signal comprises a signal indicating that a location received the new content.

and make the new content available to clients in response to receiving the second signal.

26. (Original) A data processing system comprising:

- a bus system;
- a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes a set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to receive new content from a customer; transmit the new content to a set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a selected signal is received by the set of data sources; and send the selected signal to the set of data sources if an acknowledgment is received from all of the set of data sources.

27. (Previously Presented) A data processing system comprising:

a bus system;

a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes a set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to send a new content signal indicating that new content is present for the plurality of nodes, monitor for acknowledgments from the plurality of nodes, and send a publish signal to the plurality of nodes in response to receiving acknowledgments from all nodes within the plurality of nodes, wherein the signal causes the plurality of nodes to make the new content available when the publish signal is received.

28. (Original) The data processing system of claim 27, wherein the new content is pushed to the plurality of nodes.

29. (Original) The data processing system of claim 27, wherein the new content is pulled by the plurality of nodes.

30. (Previously Presented) A data processing system for minimizing inconsistency between a set of data sources, the data processing system comprising:

first sending means for sending from an originating data source a first signal to the set of data sources indicating that new content is present for the set of data sources;

transmitting means for transmitting the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and

second sending means for sending the second signal to the set of data sources if the originating data source receives an acknowledgement signal from each data source in the set of data sources, wherein an acknowledgement signal comprises a signal indicating that a data source received the new content.

31. (Previously Presented) A data processing system for minimizing inconsistency between a set of data sources, the data processing system comprising:

first sending means for sending from an originating data source a first signal to the set of data sources indicating that new content is present for the set of data sources;

transmitting means for transmitting the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and

second sending means for sending the second signal to each data source returning an acknowledgment signal indicating that a data source has received the new content, said second signal sent after a period of time has passed without every data source in the set of data sources returning the acknowledgment signal.

32. (Previously Presented) The data processing system of claim 31 further comprising:
removing means for removing a data source from the set of data sources if the
data source fails to return the acknowledgment signal within the period of
time.

33. (Previously Presented) The data processing system of claim 30, wherein the first
signal is a pull notification indicating that the new content will be pulled by the set of
data sources.

34. (Previously Presented) The data processing system of claim 30, wherein the second
signal is a push notification indicating the new content will be transmitted to the set of
data sources.

35. (Previously Presented) The data processing system of claim 30, wherein the new
content is an update to existing content located at the set of data sources.

36. (Previously Presented) The data processing system of claim 30, wherein the set of
data sources includes at least one of a Web server and a data cache.

37. (Original) The data processing system of claim 30 further comprising:
billing means for billing a set of clients for maintaining content at the set of data
sources.

38. (Original) The data processing system of claim 30 further comprising:
receiving means for receiving the new content from a client based on a contract
with the client to maintain content at the set of data sources.

39. (Original) The data processing system of claim 30, wherein the first signal includes
the content.

40. (Previously Presented) A data processing system for providing content, the data processing system comprising:

first receiving means for receiving a first signal from a server to obtain new content from the server;

second receiving means for receiving the new content after receiving the first signal;

storing means for storing the new content in a location in which the new content is unavailable to clients until a second signal is received;

sending means for sending an acknowledgment signal from the location and to the server after all of the new content is received;

wherein the second signal is sent from the server and to the location after the location sends the acknowledgement signal to the server, wherein the acknowledgement signal comprises a signal indicating that a location received the new content; and

making means for making the new content available to clients in response to receiving the second signal.

41. (Original) The data processing system of claim 40, wherein the content is received using a pull mechanism.

42. (Original) The data processing system of claim 40, wherein the content is received using a push mechanism.

43. (Original) The data processing system of claim 40, wherein the data processing system is one of a Web server and a data cache.

44. (Previously Presented) The data processing system of claim 40 further comprising: providing means for providing current content instead of new content if the second signal is not present.

45. (Original) A data processing system for providing content, data processing system comprising:

receiving means for receiving new content from a customer;
transmitting means for transmitting the new content to a set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a selected signal is received by the set of data sources; and sending means for sending the selected signal to the set of data sources if an acknowledgment is received from all of the set of data sources.

46. (Original) The data processing system of claim 45, wherein the new content is a Web page.

47. (Original) The data processing system of claim 45 further comprising:

billing means for billing the client for maintaining the content at the set of data sources.

48. (Previously Presented) The data processing system of claim 45, wherein the set of data sources includes at least one of a Web server and a data cache.

49. (Previously Presented) A data processing system for minimizing a window of inconsistency in data between a plurality of nodes, the data processing system comprising:

sending means for sending a new content signal indicating that new content is present for the plurality of nodes;

monitoring means for monitoring for acknowledgments from the plurality of nodes; and

sending means, responsive to receiving acknowledgments from all nodes within the plurality of nodes, sending a publish signal to the plurality of nodes, wherein the signal causes the plurality of nodes to make the new content available when the publish signal is received.

50. (Original) The data processing system of claim 49 further comprising:
transmitting means for transmitting the new content to the plurality of nodes.

51. (Original) The data processing system of claim 50, wherein the new content is pushed to the plurality of nodes.

52. (Original) The data processing system of claim 49, wherein the new content is pulled by the plurality of nodes.

53. (Previously Presented) A computer program product in a computer readable medium for minimizing inconsistency between a set of data sources, the computer program product comprising:

first instructions for sending from an originating data source a first signal to the set of data sources indicating that new content is present for the set of data sources;

second instructions for transmitting the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and

third instructions for sending the second signal to the set of data sources if the originating data source receives an acknowledgement signal from each data source in the set of data sources, wherein an acknowledgement signal comprises a signal indicating that a data source received the new content.

54. (Previously Presented) A computer program product in a computer readable medium for minimizing inconsistency between a set of data sources, the computer program product comprising:

first instructions for sending from an originating data source a first signal to the set of data sources indicating that new content is present for the set of data sources;

second instructions for transmitting the new content to the set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a second signal from the originating data source is received by the set of data sources; and

third instructions for sending the second signal to each data source returning an acknowledgment signal indicating that a data source received the new content, wherein the second signal is sent after a period of time has passed without every data source in the set of data sources returning the acknowledgment.

55. (Previously Presented) The computer program product of claim 54 further comprising:

fourth instructions for removing a data source from the set of data sources if the data source fails to return the acknowledgment within the period of time.

56. (Previously Presented) The computer program product of claim 53, wherein the first signal is a pull notification indicating that the new content will be pulled by the set of data sources.

57. (Previously Presented) The computer program product of claim 53, wherein the second signal is a push notification indicating the new content will be transmitted to the set of data sources .

58. (Previously Presented) The computer program product of claim 53, wherein the new content is an update to existing content located at the set of data sources.

59. (Previously Presented) The computer program product of claim 53, wherein the set of data sources includes at least one of a Web server and a data cache.

60. (Original) The computer program product of claim 53 further comprising:
fourth instructions for billing a set of clients for maintaining content at the set of
data sources.

61. (Original) The computer program product of claim 53 further comprising:
fourth instructions for receiving the new content from a client based on a contract
with the client to maintain content at the set of data sources.

62. (Original) The computer program product of claim 53, wherein the first signal
includes the content.

63. (Previously Presented) A computer program product in a computer readable
medium for providing content, the computer program product comprising:
first instructions for receiving from a server a first signal to obtain new content
from the server;
second instructions for receiving the new content after receiving the first signal;
third instructions for storing the new content in a location in which the new
content is unavailable to clients until a second signal is received;
fourth instructions for sending an acknowledgement from the location and to the
server after all of the new content is received;
fifth instructions for sending the second signal from the server and to the location
after the location sends the acknowledgement signal to the server, wherein
the acknowledgement signal comprises a signal indicating that a location
received the new content; and
sixth instructions for making the new content available to clients in response to
receiving the second signal.

64. (Original) The computer program product of claim 63, wherein the content is
received using a pull mechanism.

65. (Original) The computer program product of claim 63, wherein the content is received using a push mechanism.

66. (Original) The computer program product of claim 63, wherein the data processing system is one of a Web server and a data cache.

67. (Previously Presented) The computer program product of claim 63 further comprising:

seventh instructions for providing current content instead of new content if the second signal is not present.

68. (Original) A computer program product in a computer readable medium for providing content, the computer program product comprising:

first instructions for receiving new content from a customer;
second instructions for transmitting the new content to a set of data sources, wherein the new content is unavailable for distribution by the set of data sources until a selected signal is received by the set of data sources; and
third instructions for sending the selected signal to the set of data sources if an acknowledgment is received from all of the set of data sources.

69. (Original) The computer program product of claim 68, wherein the new content is a Web page.

70. (Original) The computer program product of claim 68 further comprising:

fourth instructions for billing the client for maintaining the content at the set of data sources.

71. (Previously Presented) The computer program product of claim 68, wherein the set of data sources includes at least one of a Web server and a data cache.

72. (Previously Presented) A computer program product in a computer readable medium for minimizing a window of inconsistency in data between a plurality of nodes, the computer program product comprising:

first instructions for sending a new content signal indicating that new content is present for the plurality of nodes;

second instructions for monitoring for acknowledgments from the plurality of nodes; and

third instructions, responsive to receiving acknowledgments from all nodes within the plurality of nodes, sending a publish signal to the plurality of nodes, wherein the signal causes the plurality of nodes to make the new content available when the publish signal is received.

73. (Original) The computer program product of claim 72 further comprising:

fourth instructions for transmitting the new content to the plurality of nodes.

74. (Original) The computer program product of claim 73, wherein the new content is pushed to the plurality of nodes.

75. (Original) The computer program product of claim 72, wherein the new content is pulled by the plurality of nodes.